

and the juga. Another light colored area occurs on the anterior portion of the pronotum, nearly one-half of which it covers. It includes all of the pronotum anterior to a wavy line whose ends originate just back of the lateral angles and which is slightly curved forward. On each hemelytron there is a light colored longitudinal band on the embolium. This is more pronounced near the base of the embolium and extends only about half the distance from the base to the membrane. The lateral margins of the ventral surface of the head and thorax are light in color and the connexivum is lighter than in normal green specimens.

The other individual referred to has a malformed scutellum, the apex being abnormally small and distorted so that it ends in a sharp tip which is directed upward at an angle of about  $45^{\circ}$  from the dorsal surface of the body.

Both specimens have been placed in the United States National Museum.

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#### NEW SPECIES OF NEOTROPICAL PYRAUSTINAE (LEPID.).

By W. SCHAUS.

In accordance with my practice, only one specimen is considered as type and although there are often more specimens before me, I have not included them in the type series, basing the description on one specimen only.

##### *Neurophyseta durgalis*, new species.

*Female*.—Body white, the abdomen with a dorsal brown spot near base, and broad segmental lines on terminal half. Wings white; a marginal brown line interrupted by veins. Fore wings: an antemedial, almost medial fine yellow line, outangled on costa, incurved across cell, then vertical to inner margin; an incurved double black line on discocellular meeting in front; postmedial space to line irrorated with light brown, which extends to termen between veins 2 and 5; veins from cell brownish ochreous; postmedial line black, finely wavy and vertical to vein 4, then incurved to vein 3, below which it is obsolescent, preceded by a white spot between veins 5 and 6, and by fuscous shading between veins 5 and 3, followed closely by a brownish line which continues to inner margin. Hind wings: a postmedial dark brown line, fine from costa to vein 2, then broad to inner margin, followed by a yellowish parallel shade. Wings below with the markings less distinct.

Expanse, 15 mm.

*Habitat*.—Volcan de Santa Maria, Guatemala.

*Type*.—Cat. No. 23519, U. S. N. M.

**Neurophyseta tanamoalis**, new species.

*Male*.—Palpi white. Body above pale ochreous gray, the abdomen dorsally slightly darker, legs white. Fore wings pale ochreous gray, the lines and cilia white; a medial line outangled to discocellular in front, inbent across cell and vertical to inner margin; postmedial line evenly outcurved from costa to vein 2, then slightly outcurved to inner margin. Hind wings white, the terminal half faintly suffused with ochreous gray; a dark point on termen before anal angle. Fore wings below with only the postmedial line.

Expanse, 12 mm.

*Habitat*.—Tanamo, Cuba.

*Type*.—Cat. No. 23520, U. S. N. M.

**Neurophyseta volcanalis**, new species.

*Male*.—Palpi, head, and thorax white. Abdomen above pale ochreous, underneath white. Fore wings with the apex produced, the termen slightly excised below it. Wings white, the lines fine, brown. Fore wings: a curved basal line; a yellowish antemedial outcurved shade; a medial line, outangled on median; discocellular defined by a straight line proximally, by an incurved line distally; a yellow streak on costa above discocellular, and a streak below vein 8 postmedially; postmedial line curved from costa to vein 4, inbent to vein 2, and again inbent parallel with medial line to inner margin, followed by a yellowish shade, broad on costa, very indistinct below vein 4; a minutely wavy marginal line followed by a yellow shade on termen. Hind wings: curved basal and antemedial lines; a double line at discocellular, the outer one extending towards costa; a postmedial line outcurved beyond cell, incurved at vein 2, followed by a yellowish shade; a marginal line followed by a yellowish shade at apex. All the lines minutely wavy. Wings below white, the lines less distinct.

Expanse, 12 mm.

*Habitat*.—Slopes of Popocatepetl, Mexico, between 8,000 and 10,000 feet.

*Type*.—Cat. No. 23521, U. S. N. M.

**Neurophyseta albimarginalis**, new species.

*Female*.—Palpi white, finely streaked above with fuscous. Head, collar, and thorax white; a small pale ochreous shade on center of patagia. Abdomen above black with fine white segmental lines; anal segment white. Body below and legs white; fore tarsi with brown rings. Fore wings: base, costal, and outer margins white; a vertical antemedial line brown on costa, otherwise black, slightly outcurved below cell, preceded below cell and on inner margin by a gray shade; postmedial line remote, outcurved and inbent to antemedial line on inner margin, followed by a gray shade from vein 4 to inner margin;

the space between the two lines brownish purple except the white costa; a white shade on discocellular; a white streak on submedian. Hind wings brownish purple; the base and inner margin narrowly white, the costal and outer margins broadly white; a curved antemedial black line; a black post-medial line only slightly curved followed by a broad dark shade to inner margin; the white on inner margin expanding between the two lines. Wings below white, the dark spaces of upper side showing as a grayish shade.

Expanse, 20 mm.

*Habitat*.—Volcan de Santa Maria, Guatemala.

*Type*.—Cat. No. 23522, U. S. N. M.

***Psephis gomalis*, new species.**

*Male*.—Palpi white, the second and third joints ringed with pale brown. Head, collar, and thorax silvery gray. Abdomen above light brown with silvery segmental lines. Body below and legs whitish, the tarsi with brown rings. Wings silvery gray with darker gray irrorations below cells and on outer margins; a terminal brown line. Fore wings: a slightly outbent ante-medial brown line; a slight outcurved postmedial brown line; a fine dark streak on discocellular. Hind wings: a postmedial brown line to anal angle. Wings below more silvery; the lines as above but without the antemedial line on fore wing.

Expanse, 12 mm.

*Habitat*.—Volcan de Santa Maria, Guatemala.

*Type*.—Cat. No. 23523, U. S. N. M.

***Homophysa pomonalis*, new species.**

*Female*.—Palpi, head, collar and thorax yellow; some white mottling on head. Abdomen above brown with white segmental lines; the basal segment white, the anal segment yellow. Fore wings: basal third and costal margin yellow suffused with orange below cell to inner margin and on outer half of costa; medial and postmedial space lilacine thickly irrorated with fuscous, its outer edge outcurved beyond cell, incurved along vein 2, out-angled on submedian, crossed at its outer edge by the postmedial line from vein 6 to below vein 2, this line being double, divided by a pale lilacine shade and is proximally and distally shaded with orange brown, more broadly so between vein 2 and inner margin; apex and termen yellow with darker shading along veins. Hind wings white, the termen shaded with yellow, deeper colored at vein 2 where it is preceded by a small fuscous spot.

Expanse, 14 mm.

*Habitat*.—Cayuga, Guatemala; French Guiana; Cuba.

*Type*.—Cat. No. 23518, U. S. N. M.

Near *H. fulminalis* Lederer.

***Lipocosma alegralis*, new species.**

*Male*.—Palpi: the second joint brown ringed with black at either end, the third joint white. Head brown with white tufts on vertex. Collar brown tipped with white. Thorax brown with white lines on patagia. Abdomen above reddish yellow. Body below and legs silvery white; dark spots at base of fore tarsi. Fore wings yellow brown, paler on costa, darker towards termen; a dark brown spot at base of costa, and some brown irrorations at base of inner margin; an antemedial broad white line from median, inbent to inner margin, followed by a short horizontal line below cell; a black line on discocellular preceded by a broad hyaline lunule; a broad fuscous line from vein 7 before termen inbent to vein 2; a black spot on costa before apex with white on either side; a black line from vein 7 terminally to tips of cilia on apex; a terminal white line from vein 7 to vein 4, the cilia white with a brown line at base; a fuscous terminal line from vein 4 to near vein 2, followed by fuscous cilia; cilia at tornus white. Hind wings white; a black spot on discocellular; apex and termen broadly fuscous brown, narrowing somewhat to vein 3, inwardly edged by a dark postmedial line which continues to vein 2, and is marked by a fuscous spot between veins 5 and 6; a terminal white line from costa to vein 3 inwardly edged by a fine black line, and outwardly by a brown line on base of cilia which are white mottled with brown; below vein 3 to anal angle the cilia are white; a small black terminal point below vein 2. Fore wings below darker brown shading to yellowish on costa; the markings as above. Hind wings below the same as above.

Expanse, 17 mm.

*Habitat*.—Cayenne, French Guiana; Panama; Guatemala.

*Type*.—Cat. No. 23565, U. S. N. M.

***Lipocosma chiralis*, new species.**

*Male*.—Palpi, head, collar, thorax, basal and anal segment of abdomen, also anal tufts white; abdomen otherwise above dark ochreous; abdomen below pale ochreous; legs white streaked with ochreous, the tarsi with ochreous spots. Fore wings: the base white to middle of costa and to one-third of inner margin limited by a golden brown shade outangled on costa, then incurved to inner margin; a dark brown streak on discocellular; postmedial space white crossed by a vertical, rather broad, dull brown shade from vein 5 to inner margin; a subapical golden brown line outcurved from costa to vein 4; apex and termen from vein 5 to inner margin silvery white; terminal black points. Hind wings silvery white; a black spot on inner margin just beyond middle; a postmedial sinuous brown line from vein 2 to inner margin; a terminal brown shade at anal angle, edged above with some black irrorations; terminal black points; cilia silvery white. Wings below silvery white; fore wings streaked with black on base of costa, then with ochreous brown to apex; a subapical curved brown line; two black points on discocellular.

Expanse, 12 mm.

*Habitat*.—Santiago, Cuba.

*Type*.—Cat. No. 23524, U. S. N. M.

Near *L. nigripictalis* Hampson.

***Lipocosma savoralis*, new species.**

*Female*.—Body and fore wings light brown tinged with iridescent lilacine; an antemedial fuscous brown line slightly outcurved, a similar postmedial line deeply outcurved from costa to vein 3, then inbent to inner margin; cilia fuscous brown. Hind wings thinly scaled, pale brownish ochre, the termen darker; an interrupted terminal dark line, except at anal angle and at apex. Wings underneath silky brownish ochre.

Expanse, 17 mm.

*Habitat*.—Baracoa, Cuba.

*Type*.—Cat. No. 23525, U. S. N. M.

***Symphysa glorialis*, new species.**

*Female*.—Palpi white. Frons brown. Vertex and body white. Fore wings creamy white; a silver streak below subcostal from near base to beyond cell; an inbent yellow ochre line from cell antemedially to inner margin near base, and a similar more vertical line from across end of cell to middle of inner margin; an incurved silver line on discocellular extending slightly on vein 4, and interrupted at its middle; a fine subterminal black line, outcurved below costa, forming two incurved lunules across veins 3 and 2, then outcurved to submedian; termen shaded with pale yellow, with silver streaks on interspaces; a silver line on base of the white cilia. Hind wings white; a medial yellow shade below cell; dark postmedial points on veins 2-4; small marginal dark spots; two marginal opalescent spots edged with silver below vein 2; the anal angle white; cilia as on fore wing. Fore wings below white; dark marginal points between vein 4 and apex; a subapical dark line. Hind wings below white; silvery spots with black points below vein 2 on termen.

Expanse, 14 mm.

*Habitat*.—Cayenne, French Guiana.

*Type*.—Cat. No. 23564, U. S. N. M.

***Symphysa hermalis*, new species.**

*Female*.—Palpi and head white shaded with ochreous. Collar and thorax ochreous brown. Abdomen above fuscous brown with very fine white segmental lines. Fore wings thickly suffused with brown scaling to postmedial line, which is very fine, whitish, outcurved below costa and parallel with termen, almost imperceptible; terminal space less thickly irrorated with brown; terminal black spots on veins preceded by a silvery shade. Hind

wings: costal half whitish, the anal half brown irrorated with black; traces of a postmedial and a subterminal whitish line, both very indistinct; terminal black spots; cilia long, brown at base, tips silvery gray. Fore wings below brown, the inner margin broadly silvery gray; the postmedial white line more distinct, an interrupted terminal black line. Hind wings below silvery gray, the costa and medial space to vein 2 suffused with brown; a black point on discocellular; a sinuous postmedial black line not reaching inner margin and outwardly edged with white; outer margin thinly irrorated with brown; a terminal black line interrupted by veins.

Expanse, 13 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23527, U. S. N. M.

#### *Symphysa maralis*, new species.

*Female*.—Palpi, head, and abdomen above light brown; abdomen below white; legs light brown, the tarsi white with fine brown rings. Fore wings light brown, darker shaded on terminal third with faint traces of a subterminal sinuous fuscous line. Hind wings whitish at base and on costa, otherwise suffused with light brown, leaving a wavy medial and a subterminal line white. Fore wings below tinged with whitish brown, the cilia fuscous brown. Hind wings below white, the terminal space faintly tinged with brown leaving the subterminal line white; cilia brown.

Expanse, 18 mm.

*Habitat*.—Matanzas, Cuba.

*Type*.—Cat. No. 23563, U. S. N. M.

#### *Symphysa matanzalis*, new species.

*Female*.—Head, collar, and thorax mottled brown and white. Abdomen grayish brown. Fore wings: basal half dark brown limited by a vertical white line; medial space whitish gray irrorated with brown limited by the postmedial line, which is white, vertical on costa, then outcurved to vein 2 and vertical to inner margin; marginal space dark brown; a terminal black line preceded by minute lilacine white spots. Hind wings white, the outer margin dark brown except from vein 2 to anal angle, where there is only some brown subterminal scaling; some brown scales on inner margin close above angle, a terminal black line; cilia on both wings brown. Fore wings below silvery white, the cell, costal and outer margins suffused with brown. Hind wings below white; the costal margin, apex broadly and outer margin to vein 2 suffused with brown; a brown spot on discocellular; a terminal black line on both wings.

Expanse, 13 mm.

*Habitat*.—Matanzas, Cuba.

*Type*.—Cat. No. 23526, U. S. N. M.



*Scybalista chicalis*, new species.

*Male*.—Palpi, head, collar and thorax white, irrorated and suffused with brown. Abdomen above brown with white segmental lines. Fore wings semihyaline, the veins white except vein 6 which is dark brown; fuscous streaks at base on costa, below cell, above and below submedian; inner margin tinged with light brown; a subterminal white line, gently curved from costa to vein 3, then inbent to inner margin below discocellular, preceded by dark brown irrorations on interspaces from costa to vein 3 and with very fine dark streaks close to veins 11-7 and above vein 5; outer margin light brown on interspaces; a terminal white line; two triangular black spots on discocellular, their apices almost touching. Hind wings semihyaline white, the veins yellowish; dark terminal points on interspaces. Wings below silvery white.

Expanse, 15 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23528, U. S. N. M.

*Pycnarmon breiralis*, new species.

*Male*.—Palpi white, the second joint laterally streaked with gray towards third joint; the third joint gray. Head and body fuscous gray; abdomen above with white segmental lines, underneath whitish gray; legs streaked with gray, the tarsi gray with white rings. Fore wings dark olive gray or silvery brown according to the light; a whitish line across costal margin postmedially. Hind wings silky brown. Wings below paler, with the line across costal margin of fore wing as above.

Expanse, 11 mm.

*Habitat*.—Venadio, Sinaloa, Mexico.

*Type*.—Cat. No. 23566, U. S. N. M.

*Sufetula grumalis*, new species.

*Female*.—Palpi gray with lateral black patches. Head, collar, and thorax gray. Abdomen above brown, underneath whitish gray. Fore wings gray; costal margin with black spots; an outcurved antemedial line, almost medial, somewhat interrupted; a black spot on discocellular; a postmedial, almost subterminal white line edged on either side with black, vertical from costa to vein 5, slightly inbent and vertical from vein 3 to submedian, inbent below it; an interrupted terminal black line. Hind wings gray; a black spot on discocellular; a postmedial line as on fore wing, vertical from costa to vein 2, then inbent to anal angle; a wavy marginal black line. Wings below grayish; black spots on discocellular; the postmedial line fainter; the marginal line as above.

Expanse, 15 mm.

*Habitat*.—Santiago, Cuba.

*Type*.—Cat. No. 23567, U. S. N. M.

*Eurhyarodes voralis*, new species.

*Male*.—Palpi dark brown. Head, collar, and thorax lilacine irrorated with dark brown; a white line across frons above, and a broad white line across thorax, not extending on patagia. Abdomen above brown with some white at base, underneath white on basal half. Wings hyaline opalescent. Fore wings: costa ochreous with numerous transverse streaks and spots, the latter on terminal third; a broad streak below costa; apex, outer margin, basal half of cell, a somewhat shorter space below cell and outer half of inner margin lilacine brown with darker brown irrorations; basal half of inner margin except immediate base white with two dark spots descending from submedian; a large spot on discocellular suffusing above with the costal streak; the inner edge of terminal brown space darker edged outcurved below veins 5 and 4, downcurved below vein 3 and upcurved along vein 2 but not touching the discal spot, again outcurved below vein 2, and incurved on submedian; a series of subterminal white lunules from vein 8 to vein 3; cilia white tinged with yellow at base, divided by dark streaks at veins 3 and 4, and at apex. Hind wings: a small dark brown spot on discocellular; small light brown marks postmedially on veins from vein 2 to inner margin; apex brown diminishing to vein 3, inwardly edged by a wavy white line, and with some white terminal mottling widest at apex; dark terminal points from vein 2 to anal angle. Underneath duller.

Expanse, 22 mm.

*Habitat*.—Sao Paulo, Brazil.

*Type*.—Cat. No. 23562, U. S. N. M.

Near *E. syllepidia*, Hampson.

*Desmia julialis*, new species.

*Male*.—Antennae with a small tuft of hairs above near middle. Palpi black, at base ochreous. Throat white. Head and thorax fuscous brown. Abdomen black with segmental white lines above; underneath white with the anal segments and two broad transverse bands black; the anal hairs white. Wings fuscous brown with a cupreous tinge; cilia black with a fine whitish line at base, and narrow whitish tips; the cilia on forewings with a white spot close to tornus. Fore wings with a white hyaline spot across cell, narrowest on subcostal, to submedian, slightly outbent, and outangled below cell; a narrow spot beyond cell from vein 8 to just below vein 3, ending in a point. Hind wings: the costa whitish to near apex; an antemedial white line across cell; a broad medial line narrowing to a point below middle of inner margin; a postmedial downbent line from vein 6 to vein 3, and a white streak between veins 6 and 7 not reaching termen. Wings below duller, the costa of hind wings fuscous brown.

Expanse, 22 mm.

*Habitat*.—Avangarez, Costa Rica.

*Type*.—Cat. No. 23529, U. S. N. M.



*Desmia minnalis*, new species.

*Male*.—Antennae excised and with a small tuft of hairs at middle. Palpi brown, at base white. Body brown, the abdomen above with fine segmental white lines; underneath white with brown bands on alternate segments; anal segments silvery with brown shading. Wings dark brown shaded with purple and cupreous, the spots and lines opalescent white; cilia with a fine white line at base and white tips. Fore wings: a nearly round spot in cell adjoining a spot below cell which becomes narrower at submedian, edged with fuscous which extends to inner margin; a narrow spot beyond cell from vein 8 to just below vein 5, edged with fuscous. Hind wings: costal margin grayish white to near termen, and a similar streak between veins 6 and 7; the termen incurved at vein 5; a fine antemedial white streak across cell; a medial white line fairly broad, tapering to a point on inner margin above angle, inwardly broadly shaded with fuscous, and followed by a fuscous spot from below vein 6, to vein 3.

Expanse, 28 mm.

*Habitat*.—Aroa, Venezuela.

*Type*.—Cat. No. 23530, U. S. N. M.

*Desmia natalialis*, new species.

*Male*.—Antennae excised above and preceded by a small tuft of hairs before middle. Palpi fuscous brown, at base white. Throat white. Head, collar, and thorax fuscous brown. Abdomen above brown on two basal segments, otherwise black with white segmental lines; paired white streaks on anal segment; underneath white. Legs fuscous brown in front, the tarsi pale ochreous. Wings dark brown with a supreous tinge, the lines and spots white. Fore wings: a narrow white line across cell and a small triangular spot below cell, slightly outset; a slightly broader line beyond cell from vein 8, its outer edge indentate on vein 7, outcurved between 7 and 6, narrower between veins 6 and 5; cilia fuscous brown with a white spot above tornus. Hind wings: a very faint antemedial whitish spot in cell; a narrow line from below vein 6 broadly shaded with fuscous on either side, to vein 4, inset at vein 3, inwardly shaded with fuscous, vertical to inner margin close to angle; termen deeply incurved at vein 5; cilia brown with a pale line at base, and tipped with white except at anal angle. Hind wings below tinged with gray.

Expanse, 24 mm.

*Habitat*.—Volcan de Santa Maria, Guatemala.

*Type*.—Cat. No. 23531, U. S. N. M.

*Desmia benealis*, new species.

*Male*.—Antennae excised above at middle preceded by a short tuft of hairs. Palpi dark brown, at base white. Body above dark brown; abdomen

with white segmental lines; a double white streak on last segment, not reaching end; anal hairs ochreous; underneath white with segmental brown lines. Legs brown, the tarsi white with brown spots. Wings fuscous brown with a cupreous tinge, the markings white. Fore wings: an antemedial white spot in cell; a medial broad line from costal margin, expanding outwardly in a curve across cell, constricted on medial vein, then expanding somewhat, terminating at submedian, edged throughout with fuscous and followed between vein 2 and submedian by a fine white line; a faint whitish streak on discocellular with fuscous edging; a spot edged with fuscous beyond cell, from vein 8 to vein 3 surmounted on costa by an ochreous streak, its inner edge lunular, its outer edge inangled at vein 7, outangled below 7, and inbent to vein 3, followed from costa to vein 5 by a fine ochreous white line; terminal ochreous points at veins; cilia brown with a pale and a black line at base, and a white spot above tornus. Hind wings: an antemedial small quadrate spot in cell, and a wavy outset line from below cell to near middle of inner margin; a medial line, broad at vein 6, projecting outwardly at vein 5, below vein 5 inset, and narrow to near anal angle; a fine postmedial line from vein 6 to vein 4; cilia fuscous with a pale and black line at base; cilia tipped with white from below vein 2 to near anal angle.

Expanse, 21 mm.

*Habitat*.—Volcan de Santa Maria, Guatemala.

*Type*.—Cat. No. 23532, U. S. N. M.

*Desmia Jonesalis*, new species.

*Female*.—Palpi fuscous, at base white. Body black tinged with brown. Wings dull fuscous brown, the markings white. Fore wings: a small medial spot in cell; a broad incurved spot beyond cell from vein 8 to vein 3; cilia from vein 4 to tornus shortly tipped with white. Hind wings: an antemedial white spot from just within cell, where it is pointed, to near middle of inner margin; its proximal edge slightly incurved; a large spot beyond cell from vein 6 to vein 3; cilia tipped with white near anal angle. Fore wings below similar; the inner margin whitish; a very small white spot below vein 2.

Expanse, 20 mm.

*Habitat*.—Sao Paulo, Brazil.

*Type*.—Cat. No. 23533, U. S. N. M.

*Desmia angustalis*, new species.

*Male*.—Antennae simple. Palpi fuscous brown fringed with white at base and tips. Frons dark brown with lateral white lines. Vertex black. Collar and patagia fuscous shot with blue; thorax fuscous brown. Abdomen above fuscous shot with blue; a broad, transverse, white line at base and a finer line on fourth segment. Abdomen below brown with a white segmental line on fourth segment. Legs brown with white spots at segments of tarsi; fore and hind femora silvery. Wings very narrow, fuscous brown, slightly cupreous, the markings semihyaline opalescent. Fore wings: an outbent spot

from subcostal to submedian; a narrow spot inbent from costa to just below vein 4, narrowest between veins 7 and 8; a faint whitish line on discocellular. Hind wings: an antemedial fascia from within cell to inner margin; a spot beyond cell from vein 4 to vein 6, slightly pointed anteriorly.

Expanse, 17 mm.

*Habitat*.—Volcan de Santa Maria, Guatemala.

*Type*.—Cat. No. 23534, U. S. N. M.

***Desmia anitalis*, new species.**

*Male*.—Antennae minutely serrate with short cilia. Palpi brown, shortly fringed with white, broadly so at base. Head, collar, thorax and base of abdomen brown; lateral pale lines on frons and a whitish spot on vertex. Abdomen above terminally fuscous brown; traces of white segmental lines; a white spot on terminal segment; abdomen below white, the last three segments brown. Fore femora and tibiae dark brown; tarsi ochreous white. Wings dark cupreous brown, the markings white; cilia fuscous gray, a basal line and tips mostly white. Fore wings: a broad, white, medial line from costal margin to inner margin, slightly outcurved, followed from vein 2 to inner margin by a narrower white line; postmedial spot broadest on costa where it is ochreous, narrowing to a point at vein 4, its inner edge straight, its outer edge dentate between veins 7 and 6; incurved below it and rounded to vein 4. Hind wings: a medial line widest across cell, narrowing to a point on inner margin below middle, edged by a dark line on discocellular which is followed by a narrow white line from veins 6-4. Hind wings below shot with silvery gray.

Expanse, 24 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23535, U. S. N. M.

***Desmia ilsalis*, new species.**

*Male*.—Antennae shortly ciliate. Palpi: the first and third joints ochreous white, the second joint fuscous brown. Head fuscous brown. Collar and thorax iridescent gray brown. Abdomen above purple brown, underneath ochreous. Fore wings cupreous purple brown, the spots opalescent; an antemedial white point in cell; a medial spot across cell expanding below cell but not reaching submedian; a large spot beyond cell, narrow between veins 8 and 7, expanding and widest between veins 5 and 4, not extending below vein 3; cilia tipped with white just above tornus. Hind wings semihyaline white, the base and margins broadly cupreous brown; cilia tipped with white near anal angle.

Expanse, 24 mm.

*Habitat*.—Peru.

*Type*.—Cat. No. 23536, U. S. N. M.

*Desmia girtealis*, new species.

*Male*.—Antennae shortly ciliate. Palpi fuscous brown, at base white; third joint white; head and thorax fuscous brown. Collar and patagia silky gray brown. Abdomen above purplish, underneath ochreous white; legs brown; tarsi ochreous white with broad, light brown rings. Wings cupreous brown, the spots opalescent white; cilia brown crossed by a black line, tipped with white at tornus of fore wing, and with white on hind wing except at anal angle. Fore wings: a quadrate spot across cell and a narrower adjoining spot below cell to submedian; the spot beyond cell larger, its inner edge incurved, from vein 8 to vein 3 where it ends in a point. Hind wings: a spot contiguous to discocellular from vein 6 to vein 5.

Expanse, 23 mm.

*Habitat*.—Peru.

*Type*.—Cat. No. 23537, U. S. N. M.

*Desmia repandalis*, new species.

*Male*.—Antennae minutely serrate. Palpi dark grayish brown fringed with white at base. Body above dark grayish brown; segmental white lines on abdomen; abdomen underneath white. Legs brown; tarsi mostly white. Wings fuscous brown tinged with purple; cilia with a fine pale line at base. Fore wings: spots white only faintly opalescent; medial spot oval from subcostal to submedian; postmedial spot from vein 8 to vein 3, expanding slightly between veins 5 and 4, becoming narrower below vein 4. Hind wings: a medial line widest on costa narrowing to a point above anal angle.

Expanse, 27 mm.

*Habitat*.—Chejel, Guatemala.

*Type*.—Cat. No. 23538, U. S. N. M.

This species appears abundant in Central and South America, and I have taken it in Cuba. There is considerable variation in the medial spot of fore wing, but the average specimen is like the type described. In general appearance it is like *Desmia Vulcanalis* Felder = *D. geminalis* Snellen but the simple antennae will differentiate the two species. The female, at present unknown, is possibly like the female of *Vulcanalis*, which is remarkably like the female of *Desmia tages* Cramer.

*Lamprosema noctalis*, new species.

*Male*.—Palpi dark grayish brown fringed with white. Head, collar, and thorax dull purplish brown. Abdomen brown with white segmental lines at end; anal hairs purplish brown. Body below silvery white, the legs grayish, the tarsi ochreous white. Fore wings reddish brown; antemedial line lilacine white, outwardly dark edged, vertical and sinuous; a transverse

white streak across end of cell, slightly oblique, followed by fuscous lines on either side of discocellular, a white postmedial spot on costa from which the fine lilacine white line, with darker edging, is wavily outcurved to inner margin; a broad fuscous subterminal shade widest on inner margin; a fuscous terminal line; cilia fuscous tipped with white. Hind wings purplish brown with a projecting fold at base of inner margin with ochreous scaling and long fringe; postmedial line lilacine edged with black, somewhat incurved, preceded by a broad fuscous shade; a subterminal broad fuscous shade; a marginal lilacine line, followed by the broader black terminal line; cilia black tipped with white, and with a fine grayish line at base. Fore wings below pale ochreous, the white discal streak edged with black; a white postmedial spot on costa, and a macular fuscous postmedial line; subterminal fuscous irroration on interspaces. Hind wings below lilacine white; faint traces of a dark postmedial line.

Expanse, 20 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23539, U. S. N. M.

Near *L. dorialis* Walker.

#### *Lamprosema cayugalis*, new species.

*Male*.—Body above dark brown; palpi fringed with white; white transverse lines on abdomen near base, and near end; small white tufts behind antennae. Body below and tibiae whitish gray; tarsi pale ochreous. Wings dark brown. Fore wings: the lines fine, bluish white, broader and clearer white on costal margin; antemedial line vertical; an opalescent white spot across end of cell, broader behind than in front; edged on either side with fuscous; an oblique white spot below it, widest proximally and irroration with brown; postmedial line outbent from costa to below vein 7, slightly rounded and inbent, wavy from vein 5 to inner margin; terminal space lighter brown, with a broad subterminal dark shade; a dark brown terminal line, inwardly edged by a fine white line; cilia narrowly tipped with white. Hind wings: the postmedial line faintly wavy to inner margin above anal angle. Wings below gray showing the white spots of fore wing.

Expanse, 24 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23540, U. S. N. M.

Near *L. pelealis* Walker.

#### *Lamprosema santialis*, new species.

*Male*.—Palpi dark brown, minutely fringed with white in front. Head, collar, and thorax lilacine brown. Abdomen brown with white lines near base and end, and with a white dorsal spot on last segment. Body below and legs white. Wings cinnamon brown, the lines fine, white; a marginal faint white line; cilia broadly white, with a dark line at base. Fore wings:

antemedial line slightly outbent, outwardly edged with dark brown; a narrow white streak across end of cell edged with dark brown; postmedial somewhat wider on costa darker edged, evenly outcurved beyond cell then straight to inner margin, followed by a lilacine gray shade from vein 8 to inner margin. Hind wings with the postmedial line straight to inner margin above anal angle, followed by a broad lilacine gray shade tinged with silver. Fore wings below grayish brown, showing the white cellular line and a curved finely dentate postmedial line; the inner margin whitish gray. Hind wings below whitish gray; a fine postmedial line dentate on veins 2-5.

Expanse, 20 mm.

*Habitat*.—Santiago, Cuba.

*Type*.—Cat. No. 23541, U. S. N. M.

Near *L. pelealis* Walker, but smaller with the spots reduced and the line more distinct.

***Lamprosema moccalis*, new species.**

*Male*.—Palpi gray fringed with white. Body above and wings brown. White lines laterally on frons and vertex; throat white; white lines on abdomen near base and end; anal hairs tipped with white. Abdomen below and legs gray, the tarsi pale ochreous. Fore wings: a bluish white vertical antemedial line; a white spot across end of cell; edged with dark brown; postmedial line white and distinct on costa, then very fine, bluish gray, curved beyond cell and inbent to inner margin; a fuscous brown terminal line with the base of cilia similar and tipped with white. Hind wings: a very fine bluish gray postmedial line almost straight to inner margin above anal angle, followed by a faint grayish brown shade; a fine marginal whitish line; terminal line and cilia as on fore wing. Fore wings below dull brownish, the white spot as above. Hind wings below suffused with whitish gray.

Expanse, 28 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23542, U. S. N. M.

Looks like *L. codrusalis* Walker, but the hind wing normal.

***Lamprosema malticalis*, new species.**

*Male*.—Palpi dark gray fringed with white. Head, collar, and thorax purplish brown; lateral and central white lines on frons. Abdomen above brown on three basal segments with two transverse lines, then dull grayish brown with black segmental lines and a single white line; a dorsal white spot on last segment; anal hairs fuscous above, whitish underneath. Abdomen below light brown. Legs silvery white, the tarsi ochreous white. Wings dark brown. Fore wings: a fine whitish antemedial line outwardly darker edged, slightly outbent from costa; discocellular darker shaded; postmedial fine, whitish, very indistinct except on costa where it is outbent to near vein 6, and wavily inbent to inner margin; some fuscous irroration near tornus; a terminal dark line, inwardly edged by a faint whitish line;



cilia brown with a fine whitish line at base, and tipped with white except from veins 3-5 where it is entirely brown. Hind wings: the inner margin ochreous brown; postmedial line fine, whitish, slightly sinuous, broadly followed by silvery irrorations; a marginal silvery line; a fine ochreous line at base of cilia which are dark brown with white tips, becoming fuscous at anal angle.

Expanse, 24 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23543, U. S. N. M.

Near *L. moccalis* Schaus.

***Lamprosema brunnealis*, new species.**

*Male*.—Palpi grayish brown, white at base. Body above and wings uniform brown. Abdomen with fine white segmental lines shaded in front with fuscous. Body below silvery white; legs and fore femora grayish. Fore wings with the lines fine, whitish; antemedial from below costa, slightly outbent; a darker brown lunule at end of cell, preceded by an almost imperceptible fine white line; postmedial only slightly thicker on costa, outcurved, inbent below vein 4 and somewhat wavy; a terminal fuscous brown line; cilia brown with grayish tips. Hind wings with the postmedial line fine, almost straight and slightly inangled before inner margin, followed by a very faint grayish shade; terminal line and cilia as on fore wing. Wings below pale brownish gray without any markings.

Expanse, 23 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23544, U. S. N. M.

Near *L. malticalis* Schaus.

***Lamprosema baracoalis*, new species.**

*Male*.—Palpi brown with a lateral white spot and fringe at base, the third joint ochreous. Head, collar, and thorax grayish brown, the frons with lateral ochreous lines. Abdomen above grayish brown, the last three segments with a single white line and dorsal white hairs on anal segment. Body below whitish, the throat silver white; legs pale grayish, the tarsi white. Wings light brown. Fore wings with an antemedial outcurved white line outwardly edged with fuscous; a transverse white spot in end of cell, edged with black, broader behind, its outer edge slightly inangled below subcostal and then outbent; a small white spot below vein 2; postmedial from a triangular white spot on costa, fine, white edged with black, curved and lunular from vein 7 to vein 4, almost obliterated by the black edging, then inbent to vein 2 and sinuous to inner margin; subterminal fuscous lunules on interspaces; a terminal fuscous line; cilia golden brown edged with black and tipped with white. Hind wings with a medial line straight from subcostal, slightly outset at vein 5, fine, white edged with black, and preceded by a nar-

row dark brown shade; postmedial and subterminal dark brown spots on interspaces; terminal line and cilia as on fore wing. Fore wings below pale ochreous brown, the inner margin whitish; spots as above; a postmedial series of dark points on veins; subterminal angled spots across veins; a fine terminal brown line. Hind wings below pale ochreous brown shaded with white; postmedial clusters of brown scales on interspaces; similar subterminal clusters on veins.

Expanse, 22 mm.

*Habitat*.—Baracoa, Cuba.

*Type*.—Cat. No. 23545, U. S. N. M.

***Sylepta escuintlalis*, new species.**

*Female*.—Palpi fuscous brown. Head fuscous; a white shade on frons; a white spot on vertex. Collar, thorax, and abdomen above yellow; underneath white. Legs yellow streaked with brown; tarsi brown. Wings yellow with semihyaline streaks below cell and on interspaces between veins. Fore wings with the costa black from base to beyond middle.

Expanse, 39 mm.

*Habitat*.—Escuintla, Guatemala.

*Type*.—Cat. No. 23546, U. S. N. M.

***Sylepta birdalis*, new species.**

*Female*.—Palpi grayish brown fringed with white at base. Head, collar, and thorax yellowish ochre shaded with purplish brown. Abdomen yellowish ochre at base, otherwise brownish. Wings thinly scaled, pale yellow. Fore wings: costal and inner margins to postmedial line ochreous yellow; a dark costal spot at base, and a subbasal dark point on inner margin; traces of an outbent antemedial smoky line from subcostal, followed in cell by a small double spot; a lilacine line on discocellular edged by fuscous lines; postmedial line fuscous, inbent from costa to vein 5, then outcurved and inbent to vein 2 where it is upbent towards discocellular angled and downbent to inner margin; terminal space beyond this line lilacine brown; cilia with a fuscous line at base. Hind wings: a smoky line on discocellular; postmedial line fine, outbent at vein 5 and forming three lunules to vein 2 where it is upbent, then angled and straight to inner margin; a lilacine brown shade at apex. Underneath similar.

Expanse, 31 mm.

*Habitat*.—Aroa, Venezuela.

*Type*.—Cat. No. 23547, U. S. N. M.

Near *S. pactolalis* Guenée.

***Polygrammodes supremalis*, new species.**

*Female*.—Palpi brown above, white below. Head yellow brown. Collar and thorax fuscous brown shot with iridescent bluish steel color. Abdomen

above yellow brown, the third segment dark reddish brown with subdorsal white points in front and a dorsal white point behind; anal segment pale yellow. Body below and legs white. Fore wings: base, except edge of costa and inner margin, broadly to the postmedial line, fuscous brown shot with iridescent steel; this dark space is edged in front by a fuscous brown line preceded by a dark yellow line and is oblique from costa to below end of cell just above submedian, then up and incurved to vein 2, angled and outbent to just above vein 2; the curve is followed by a black shade downbent to submedian; medially on inner margin an angled dark yellow line edged with fuscous brown; postmedial space pale brown; the medial space forming a large irregular triangle with its base on costa, pale yellow; a small spot in cell defined by some dark scales; a yellow streak on discocellular edged by a reddish brown line; the postmedial pale brown space does not extend above vein 8, the costa remaining yellow to apex, only crossed by the postmedial line which is outcurved, almost subterminal, fine, fuscous brown shaded on either side with yellow, thicker and geminate between veins 5 and 6, slightly outset and lunular from veins 5 to 2, vertical below vein 2, followed by an irregular, narrow grayish purple shade from veins 2 to 5, and above vein 5 to vein 7 by a similar diverging shade; termen pale yellow; a fine brown terminal line; cilia yellow. Hind wings: base and inner margin brownish purple; a fringe of long hairs below cell; medial space pale yellow forming a large irregular spot outwardly edged by the postmedial line, which is dark brown, thick, and vertical from costa to vein 5, then lunular to vein 2, slightly upcurved and outbent to inner margin where it is angled, followed by a purplish gray shade, widest from vein 4 to costa, and at anal angle; termen yellow. Wings below whitish showing the more thinly scaled medial blotches of upper side; fine postmedial fuscous streaks from veins 5 to 7, followed by subterminal grayish shades.

Expanse, 43 mm.

*Habitat*.—Castro, Parana, Brazil.

*Type*.—Cat. No. 23548, U. S. N. M.

***Polygrammodes basaralis*, new species.**

*Female*.—Palpi purple fringed with white below; a reddish brown spot laterally at base. Head yellowish. Collar and thorax roseate purple. Abdomen above yellow. Body below and legs white; fore tibiae and tarsi streaked with purple. Fore wings: the basal half roseate purple extending on costal margin to the postmedial line; terminal half pale yellow; postmedial line purple, lunular, vertical to below vein 7, slightly inset and outcurved, lunular, to vein 2 where it is inbent and curved to vein 3; small dark spots adjoining cell between veins 3 and 5, small subterminal purple lunules on interspaces; almost imperceptible marginal points, more distinct towards apex; cilia yellow, the tips silvery, and with fuscous points at veins. Hind wings yellow, a large roseate purple spot at end of cell; an irregular postmedial fuscous line from vein 7, incurved to vein 5, lunular to vein 2 along which it is upbent and outbent towards inner margin before reaching cell;

short fuscous streaks below vein 3 and above veins 3 and 4 close to cell; subterminal dentate marks on interspaces and small marginal spots; cilia as on fore wing. Wings below whitish; the postmedial lines as above but fuscous; fore wings with a fuscous spot in cell, and a larger one on discocellular; subterminal spots and marginal spots only below costa; hind wings with the lines as above, but fuscous; subterminal and marginal spots between veins 6 and 7.

Expanse, 38 mm.

*Habitat*.—Sao Paulo, Brazil.

*Type*.—Cat. No. 23549, U. S. N. M.

***Polygrammodes arpialis*, new species.**

*Female*.—Palpi black fringed with white at base. Body yellow above, white underneath; legs ochreous white, the tarsi with brown rings; abdomen above with dorsal transverse fuscous purple streaks posteriorly on segments, and subdorsal spots anteriorly on segments. Wings yellow, darkest terminally, on basal half of fore wings, and along inner margin of hind wings; markings fuscous purple; thick subterminal spots or lunules on interspaces; cilia white with black spots at veins. Fore wings: short basal streaks on costa and subcostal vein; a subbasal spot on costal margin; an inbent streak below cell, and a fine line on inner margin; an antemedial line slightly outbent from costa to median vein; an outset vertical streak from cell to submedian with an inbent streak below it; a medial spot in cell and a streak on discocellular; diverging postmedial streaks above and below vein 6; a small spot above vein 7; from veins 2-5 three longer streaks, their tips hooked anteriorly like the half of an arrow; a similar long streak below vein 2, with the hook on posterior side, down bent to submedian, followed by a short streak close to vein 2, and with an inbent streak on inner margin below it, this last followed by a streak along inner margin. Hind wings: a spot on discocellular and a smaller spot at origin of vein 2; postmedial streaks between veins 2-5 as on fore wing; diverging spots above and below vein 6; a spot below vein 2 with a wavy streak from it to inner margin. Wings below whitish, showing indistinctly the markings of upper side; cilia with black points; fore wings with a small black spot in cell and a black streak on discocellular.

Expanse, 53 mm.

*Habitat*.—Joinville, S. E. Brazil.

*Type*.—Cat. No. 23550, U. S. N. M.

This beautiful species is allied to *P. runicalis* Guenee, and was sent to me by my friend, Mr. Julius Arp.

***Polygrammodes herminealis*, new species.**

*Female*.—Palpi black fringed below with white. Body white; abdomen above with transverse fine purple-brown lines. Wings white; marginal orange spots on interspaces; cilia white with dark gray spots at veins. Fore wings: a basal orange streak from costa to submedian, a subbasal black

point on costa, and smaller dark brown points below median and on inner margin; an antemedial orange brown lunule in cell; a dark brown vertical streak below cell, more outset, and a point on inner margin; a medial dark brown vertical streak below subcostal, and a similar streak on discocellular; a medial vertical streak on inner margin; short streaks above and below vein 4 near cell; fine postmedial and subterminal vertical streaks on interspaces, closer together between veins 3 and 5, longer and inbent between veins 2 and 3, long and outcurved between vein 2 and submedian; a few dark brown streaks on inner margin postmedially. Hind wings: a few brown scales in end of cell; short streaks above and below vein 4; an outcurved fine postmedial line broadly interrupted by veins; subterminal line similar but more heavily marked and parallel with outer margin. Wings below white, the fore wings shaded on costa apically and on termen with pale brown; a fine dark line on discocellular.

Expanse, 32 mm.

*Habitat*.—Castro Parana, Brazil.

*Type*.—Cat. No. 23551, U. S. N. M.

***Psara nigripes*, new species.**

*Male*.—Palpi: basal joint black with some white at base; second joint black with fringed white; third joint white tipped with black. Head, body, wings, and legs, orange; the tarsi black; the fore tibiae laterally fuscous.

Expanse, 28 mm.

*Habitat*.—Cayuga, Guatemala.

*Type*.—Cat. No. 23552, U. S. N. M.

***Psara polypaetalis*, new species.**

*Male*.—Palpi yellow fringed with black, and some black scaling laterally at base. Frons brown with lateral yellow streaks; vertex and collar orange. Thorax fuscous with two whitish streaks on patagia. Abdomen above dark gray; venter white; legs gray with whitish streaks below. Fore wings fuscous brown; the veins, except on terminal third, whitish; a white streak along inner margin; a round white spot beyond cell. Hind wings white; outer margin broadly black; a narrow black streak along inner margin. Underneath as above.

Expanse, 27 mm.

*Habitat*.—Sao Paulo, Brazil.

*Type*.—Cat. No. 23553, U. S. N. M.

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